

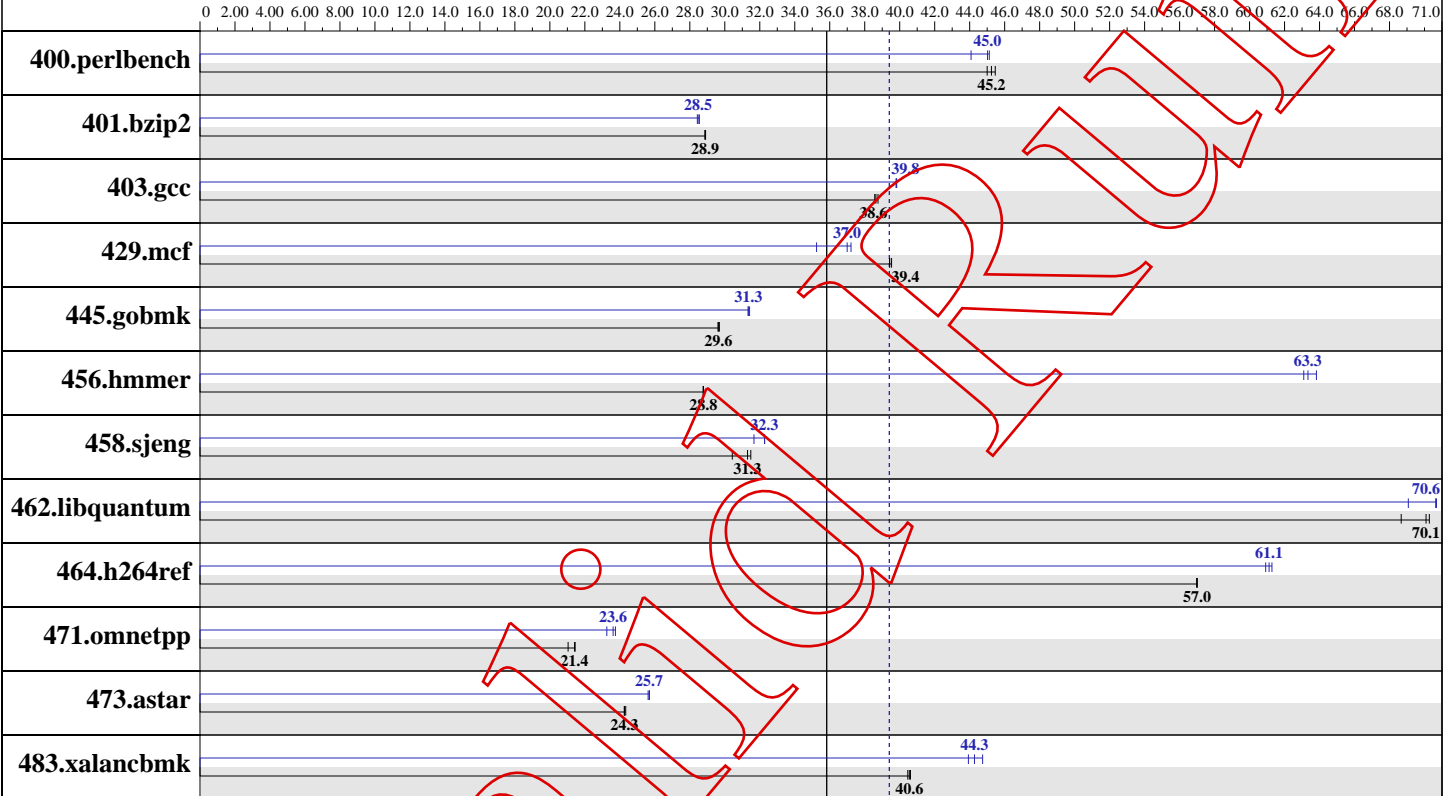
# SPEC® CINT2006 Result

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SPECint®2006 = 39.4

SPECint\_base2006 = 35.8

CPU2006 license #: 0002991 | Test sponsor: | Test date: May 23, 2021 | Hardware Availability: Now | Software Availability: Now



SPECint\_base2006 = 35.8

SPECint2006 = 39.4

## Hardware

CPU Name: --  
 CPU Characteristics: --  
 CPU MHz: 897.936  
 FPU: Integrated  
 CPU(s) enabled: 4 cores, -1 chips, -1 cores/chip, -1 threads/core  
 CPU(s) orderable: --  
 Primary Cache: --  
 Secondary Cache: 6144 KB  
 L3 Cache: --  
 Other Cache: --  
 Memory: 16280404 kB  
 Disk Subsystem: --  
 Other Hardware: --

## Software

Operating System: Linux 5.3.11-100.fc29.x86\_64  
 Compiler: gcc version 12.0.0 20210524 (experimental) (GCC)  
 Auto Parallel: --  
 File System: --  
 System State: multiuser  
 Base Pointers: --  
 Peak Pointers: --  
 Other Software: --

## Errors

'reportable' flag not set during run  
 Unknown flags were used! See  
<http://www.spec.org/auto/cpu2006/Docs/runspec.html#flagsurl>  
 for information about how to get rid of this error.

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## Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	217	45.0	<b>216</b>	<b>45.2</b>	215	45.5	217	45.1	222	44.1	<b>217</b>	<b>45.0</b>
401.bzip2	334	28.9	<b>334</b>	<b>28.9</b>	334	28.9	338	28.5	<b>339</b>	<b>28.5</b>	339	28.4
403.gcc	<b>208</b>	<b>38.6</b>	208	38.8	209	38.6	<b>202</b>	<b>39.8</b>	202	39.8	202	39.8
429.mcf	231	39.4	<b>231</b>	<b>39.4</b>	231	39.5	<b>247</b>	<b>37.0</b>	259	35.2	245	37.2
445.gobmk	354	29.6	<b>354</b>	<b>29.6</b>	353	29.7	335	31.3	<b>335</b>	<b>31.3</b>	334	31.4
456.hammer	324	28.8	324	28.8	<b>324</b>	<b>28.8</b>	146	63.8	<b>147</b>	<b>63.3</b>	148	63.1
458.sjeng	384	31.5	<b>387</b>	<b>31.3</b>	398	30.4	382	31.7	375	32.3	<b>375</b>	<b>32.3</b>
462.libquantum	302	68.7	295	70.3	<b>296</b>	<b>70.1</b>	300	69.1	293	70.7	<b>293</b>	<b>70.6</b>
464.h264ref	388	57.0	388	57.0	<b>388</b>	<b>57.0</b>	363	60.9	361	61.3	<b>362</b>	<b>61.1</b>
471.omnetpp	<b>292</b>	<b>21.4</b>	291	21.4	297	21.0	269	23.3	263	23.7	<b>265</b>	<b>23.6</b>
473.astar	<b>289</b>	<b>24.3</b>	288	24.3	289	24.3	<b>273</b>	<b>25.7</b>	273	25.7	274	25.6
483.xalancbmk	170	40.6	171	40.5	<b>170</b>	<b>40.6</b>	<b>156</b>	<b>44.3</b>	157	43.9	154	44.7

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

## General Notes

Base flags: -O2 -mtune=generic  
Peak flags: -Ofast -mtune=corei7 -march=core-avx2 -flto  
PORTABILITY=-DSPEC\_CPU\_LP64 is applied to all benchmarks.  
400.perlbench: -DSPEC\_CPU\_LINUX\_X64  
462.libquantum: -DSPEC\_CPU\_LINUX

## Base Unknown Flags

400.perlbench: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-std=gnu89" (in CPORTABILITY)  
"-O2 -mtune=generic" (in COPTIMIZE)

401.bzip2: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

403.gcc: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

429.mcf: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

445.gobmk: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
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456.hmmer: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

458.sjeng: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

462.libquantum: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

464.h264ref: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

471.omnetpp: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/g++ -fcommon" (in CXX)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/g++ -fcommon  
"-O2 -mtune=generic" (in CXXOPTIMIZE)

473.aster: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/g++ -fcommon" (in CXX)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/g++ -fcommon  
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483.xalancbmk: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/g++ -fcommon" (in CXX)  
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"-O2 -mtune=generic" (in CXXOPTIMIZE)

## Peak Unknown Flags

400.perlbench: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-std-gnu89" (in CPORTABILITY)  
"-O2 -mtune=generic" (in COPTIMIZE)

401.bz1p2: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

403.gcc: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

429.mcf: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

445.gobmk: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

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458.sjeng: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
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462.libquantum: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
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464.h264ref: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
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401.bzip2: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
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"-Ofast -mtune=corei7 -march=core-avx2 -flto" (in CXXOPTIMIZE)

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